**TRANSPORTATION POOLED FUND PROGRAM**

**QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): \_\_\_\_\_\_FHWA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INSTRUCTIONS:**

*Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.*

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| **Transportation Pooled Fund Program Project #**  *TPF-5(065)* | | **Transportation Pooled Fund Program - Report Period:**  □Quarter 1 (January 1 – March 31)  □Quarter 2 (April 1 – June 30)  □Quarter 3 (July 1 – September 30)  🗷Quarter 4 (October 1 – December 31) | |
| **Project Title:**  **Traffic Control Devices Pooled Fund Study** | | | |
| **Name of Project Manager(s):**  Jim Shurbutt, FHWA Bryan Katz, Leidos | **Phone Number:**  (202) 493-3420 (202) 493-3388 | | **E-Mail**  [Jim.shurbutt@dot.gov](mailto:Jim.shurbutt@dot.gov) [bryan.katz@dot.gov](mailto:bryan.katz@dot.gov) |
| **Lead Agency Project ID:**  TPF-5(065) | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  October 1, 2002 |
| **Original Project End Date:**  N/A Continuing Effort | **Current Project End Date:** | | **Number of Extensions:** |

Project schedule status:

🗷 On schedule □ On revised schedule □ Ahead of schedule □ Behind schedule

Overall Project Statistics:

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| **Total Project Budget** | **Total Cost to Date for Project** | **Percentage of Work**  **Completed to Date** |
| **$3,220,074 (TOTAL)**  $1,019,602 (FHWA)  $1,241,074 (FMIS + Lockbox up to FY 2008) $1,979,000 (Delphi) | **$2,626,004.91 (TOTAL)**  $1,019,602 (FHWA)  $860,000 (FMIS)  $746,402.91 (Delphi) | Ongoing Project (N/A) |

***Quarterly*** Project Statistics:

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| **Total Project Expenses**  **and Percentage This Quarter** | **Total Amount of Funds**  **Expended This Quarter** | **Total Percentage of**  **Time Used to Date** |
| No new projects allocated |  | Ongoing Project (N/A) |

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| **Project Description**:  The purpose of the TCD PFS is to assemble a consortium composed of regional, State, local entities, appropriate organizations and the FHWA to 1) establish a systematic procedure to select, test, and evaluate approaches to novel TCD concepts as well as incorporation of results into the MUTCD; 2) select novel TCD approaches to test and evaluate;  3) determine methods of evaluation for novel TCD approaches; 4) initiate and monitor projects intended to address evaluation of the novel TCDs; 5) disseminate results; and 6) assist MUTCD incorporation and implementation  of results. |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):** Traffic Control Devices Pooled Fund Study Technical Support Leidos and Toxcel have begun planning for the 2015 annual meeting and has been collecting examples of symbol signs to be used in the next round of symbol sign testing. Additionally, the team worked on the analysis of various guide sign designs as part of the original ATSSA guide sign project proposal.Countdown Pedestrian Signals Project is now complete. Pavement Signing Project is now complete. Legends for Incident Management Signs Project is now complete. Lane Line Markings in Advance of Lane-Reduction Transitions Training sessions were attended by both the FHWA and Leidos team members in order to learn more about the functionality of the CADD software suite. This software will be used to design the roadways used in testing. Intersection Conflict Warning Systems Human Factors Research Attended CACC software training sessions. We still require training on how to add animated objects (flashing beacons) to the roadway visualizations. Also, we still have not identified a source for design information (such as dwg or Microstation) drawings that include vertical and horizontal alignment information. |
| **Anticipated work next quarter**: Traffic Control Devices Pooled Fund Study Technical Support  * Complete new problem statements and select the next round of projects. * Continue tracking project funding and provide technical support to members and perform outreach on past and current projects as requested. * Begin planning next annual meeting  Lane Line Markings in Advance of Lane-Reduction Transitions  * Scenario development will take place and data collection will begin.  Intersection Conflict Warning Systems Human Factors Research  * Work plan will be revised to include blank-out signs. Scenario development will be completed and data collection will begin using same participants as the Lane Line Markings in Advance of Lane-Reduction Transitions. |

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| **Significant Results:**  Past projects have led to significant results and changes that were incorporated into the 2009 MUTCD, particularly from the Symbol Sign, Arrow Per Lane Guide Signs, and Roundabout Signing studies. Recent studies are being considered by the MUTCD for incorporation into the 2016 MUTCD. |
| **Circumstance affecting project or budget. (Please describe any challenges encountered or anticipated that**  **might affect the completion of the project within the time, scope and fiscal constraints set forth in the**  **agreement, along with recommended solutions to those problems).**  No challenges or problems encountered. |

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| **Potential Implementation:**  All results from the Traffic Control Devices Pooled Fund Study are presented to the National Committee on Uniform Traffic Control Devices (NCUTCD) and are considered by FHWA for inclusion in subsequent MUTCD versions. |